

Method and apparatus for increasing receiver immunity to interference

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Inventor: WHEATLEY CHARLES E (US); PETERZELL PAUL E (US); KORNFELD RICHARD K (US)
Applicant: QUALCOM INC (US)
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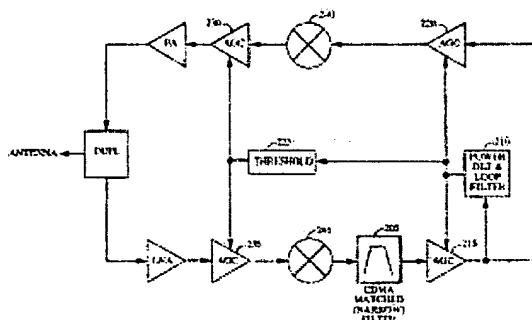
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The process of the present invention adjusts the input gain by a predetermined amount. The receiver processing measures the gain change in the IF signal power. If the change is less than the predetermined amount, the CDMA signal and jammers are below the noise floor and, therefore, the gain is increased. If the IF signal power change is equal to the predetermined amount, the CDMA signal is above the noise floor and the interference is minimal. Therefore, in this case, gain adjustment is not necessary, but increasing gain will improve sensitivity. If the IF signal power change is greater than the predetermined amount, the interference is evident and the gain is reduced to reduce the intermodulation products. This process is used until the receiver is operating at the best compromise between interference and noise figure.



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